

# EAST

	L #	Hits	S arch T xt	DBs	Time Stamp	Typ
1	L5	18789	wear WITH load	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:11	BRS
2	L6	1172	L5 SAME (memory OR stor\$3 OR db OR database OR data ADJ base OR table OR chart OR graph)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:12	BRS
3	L7	1625	L5 WITH (associat\$3 OR correspond\$3 OR relat\$3 OR correlat\$3 OR link\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:14	BRS
4	L8	98	L6 AND L7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:14	BRS
5	L9	64	L6 SAME L7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:19	BRS
6	L10	34	L8 NOT L9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:19	BRS
7	L11	300	L7 SAME (tool OR machine OR motor OR engine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:22	BRS
8	L12	197	L7 WITH (tool OR machine OR motor OR engine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:23	BRS
9	L13	179	L12 NOT (L8 OR L9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:30	BRS
10	L14	103	L11 NOT L12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/12/13 10:30	BRS

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**EAST - [10780888.wsp:1]**

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	Document ID	Source	Issue Date	Title	Current	Inventor		Image	Doc ID	P
1	US 4536849 A	USPAT	19850820	Machine operation monitor	702/42	Borisch, Donald J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4536849	<input type="checkbox"/>
2	US 6615103 B2	USPAT	20030902	Machine tool maintenance system	700/175	Fujishima, Makoto et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6615103	<input type="checkbox"/>
3	US 6438445 B1	USPAT	20020820	Machining processor	700/173	Yoshida, Jun et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6438445	<input type="checkbox"/>
4	US 6384580 B1	USPAT	20020507	Abnormality detection apparatus for tool and numerical control apparatus	318/566	Kakino, Yoshiaki et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6384580	<input type="checkbox"/>
5	US 5923560 A	DERW ENT	19990713	Moving tool wear correction method in numerical control machine tool - by		HAYASHI, T et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5923560	<input type="checkbox"/>
6	US 5568028 A	USPAT	19961022	Tool life management system	318/566	Uchiyama, Tatsuhiro et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5568028	<input type="checkbox"/>
7	US 5857166 A	USPAT	19990105	Tool monitoring apparatus	702/179	Kim, Nam H.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5857166	<input type="checkbox"/>
8	US 5568028 A	DERW ENT	19961022	Tool life management system for numerical control machine tool - has torque calculating		OGATA, T et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5568028	<input type="checkbox"/>
9	DE 3903133 A	DERW ENT	19890831	Automatic control for milling and cutting machine - uses processor to compute		KOKADO, T et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5115403	<input type="checkbox"/>
10	EP 1449615 A	DERW ENT	20040825	Numerical control unit for machine tool e.g. tool spindle, has comparing section to		HAJIME, I et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040174130	<input type="checkbox"/>
11	EP 1449615 A1	EPO	20040825	Numerical control unit for detection of abnormal load on an electric motor		MICHIYA, INOUE et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP 1449615 A1	<input type="checkbox"/>
12	JP 07108443 A	JPO	19950425	TOOL LIFE CONTROL METHOD		UCHIYAMA, TATSUHIRO et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 07108443 A	<input type="checkbox"/>
13	JP 2003311615 A	DERW ENT	20031105	Polishing apparatus for semiconductor wafer, calculates amount of wear of			<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 2003311615 A	<input type="checkbox"/>
14	JP 58056751 A	JPO	19830404	NUMERICAL CONTROL APPARATUS		ITO, KAZUMASA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 58056751 A	<input type="checkbox"/>
15	US 20020013639 A1	US-PG PUB	20020131	Machine tool maintenance system	700/175	Fujishima, Makoto et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020013639	<input type="checkbox"/>
16	US 20040174130 A1	US-PG PUB	20040909	Numerical control unit	318/569	Inoue, Michiya et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20040174130	<input type="checkbox"/>

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